

ABSTRACT OF THE DISCLOSURE

~~Described herein is an improved~~ A reference surface (40) ~~which can be~~
~~used for calibrating cooled infra red detectors.~~ ~~The reference surface (10)~~
~~comprises~~ includes a plurality of corner cube units (12, 14, 16, 18, 20, 22) which
reflect radiation incident directly ~~incident~~ on them. The surface of each corner
cube unit (12, 14, 16, 18,, 20, 22) is partially reflective and partially emissive
[[so]] such that, when imaged by a cryogenically cooled detector, the reference
surface [[(10)]] appears as a black body source at a lower temperature than the
actual temperature thereof.